

Nectin-1 Protein, Rat (HEK293, His)

Cat. No.:	HY-P77471
Synonyms:	Poliovirus Receptor-Related Protein 1; Herpes Virus Entry Mediator C; Herpesvirus Entry Mediator C; HveC; Herpesvirus Ig-Like Receptor; HIgR; Nectin-1; CD111; PVRL1; HVEC; PRR1
Species:	Rat
Source:	HEK293
Accession:	NP_001093946 (Q31-A354)
Gene ID:	192183
Molecular Weight:	Approximately 50-70 kDa due to the glycosylation

PROPERTIES

AA Sequence	<p> Q V V Q V N D S M Y G F I G T D V I L H C S F A N P L P T V K I T Q V T W Q K A S N G S K Q N M A I Y N P T M G V S V L P P Y E K R V E F L R P S F I D G T I R L S H L E L E D E G M Y I C E F A T F P T G N R E S Q L N L T V M A K P T N W I E G T Q A V L R A R K G Q D D K V L V A T C T S A N G K P P S V V S W E T R L K G E A E Y Q E I R N P N G T V T V I S R Y R L V P S R E A H R Q S L A C I V N Y H L D R F R E S L T L N V Q Y E P E V T I E G F D G N W Y L Q R T D V K L T C K A D A N P P A T E Y H W T T L N G S L P K G V E A Q N R T L F F R G P I N Y S L A G T Y I C E A T N P I G T R S G Q V E V N I T E F P Y T P T P E H G R R A G Q M P T A </p>
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Human Nectin-3 is present at 1 µg/mL, can bind Recombinant Rat Nectin-1. The ED ₅₀ for this effect is 125.7 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Nectin-1 Protein, characterized by its carbohydrate binding and virion binding activities, plays pivotal roles in axon guidance, regulation of synapse assembly, and viral entry into host cells. Distributed across various cellular components, including dendrites, growth cone membranes, and synapses, Nectin-1 is implicated in human conditions such as cleft lip, cleft lip-palate-ectodermal dysplasia syndrome, cleft palate, and ectodermal dysplasia. The biased expression pattern, notably in the Kidney (RPKM 45.4), Brain (RPKM 31.3), and nine other tissues, underscores its significance in diverse physiological contexts.

Caution: Product has not been fully validated for medical applications. For research use only.

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